EXHIBIT "A"

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Substitute for form 1449A/PTO	Complete if Known

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f				Application Number	09/841,683	
INF	ORMATION	DISC	CLOSURE	Filing Date	April 24, 2001	
STATEMENT BY APPLICANT				First Named Inventor	Hu, Yi	
"				Group Art Unit	1645	
	fuse as many shee	ets as nece	ssan	Examiner Name	To Be Assigned	
Sheet	1	of	3	Attorney Docket Number	LEX-0167-USA	

	,		U.S. PATENT DOCUMENT	rs .	
Examiner Initials*	Cite No.¹	U.S. Patent Document Kind Code² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	4,215,051	Schroeder et al	07/29/80	гідагез дрреві
	AB	4,376,110	David et al	03/08/83	
	AC	4,594,595	Struckman	06/10/86	
	AD	4,631,211	Houghten	12/23/86	
	AE	4,689,405	Frank et al	08/25/87	
Ĩ	AF	4,713,326	Dattagupta et al	12/15/87	
	AG	4,873,191	Wagner et al	10/10/89	
	AH	4,946,778	Ladner et al	08/07/90	
	Al	5,252,743	Barrett et al	10/12/93	
	AJ	5,424,186	Fodor et al	Ø6/13/95	
	AK	5,445,934	Fodor et al	08/29/95	
	AL	5,459,127	Felgner et al	10/17/95	
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	AN	5,700,637	Southern	12/23/97	
	AO	5,744,305	Fodor et al	04/28/98	
	AP	5,837,458	Minshull et al	11/17/98	
	AQ	5,869,336	Meyer et al.	02/09/99	
	AR	5,877,397	Lonberg et al	03/02/99	
	AS	5,948,767	Scheule et al.	09/07/99	
	AT	6,075,181	Kucherlapati et al	06/13/00	
	AU	6,110,490	Thierry	08/29/00	
	AV	6,150,584	Kucherlapati et al.	11/21/00	•
					

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO

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INE	ORMATION	מומ	CLOSURE	Application Number	09/841,683	
				Filing Date	April 24, 2001	
51/	ATEMENT B	YAF	PLICANI	First Named Inventor	Hu, Yi	
				Group Art Unit	1645	
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Sheet	2	of	3	Attorney Docket Number	LEX-0167-USA	

 	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	_
Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T-2
AW	Bird et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426.	Π
 AX	Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544.	Γ
AY	Colbere-Garapin et al, 1981, "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol. 150:1-14.	
AZ	Gautier et al, 1987, "α-DNA IV:α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physiochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641.	
BA	Gordon, 1989, "International Review of Cytology", 115:171-229.	
88	Gu et al, 1994, "Deletion of a DNA Polymerase β Gene Segment in T Cells Using Cell Type-Specific Gene Targeting", Science 265:103-106.	
ВС	Huse et al, 1989, "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281.	
BD	Huston et al, 1988, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883.	
BE	Inoue et al, 1987, "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and R Nase H", FEBS Letters 215(2):327-330.	
BF	Inoue et al, 1987, "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Research 15(15):6131-6149.	
BG	Inouye & Inouye, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110.	
вн	Janknecht et al, 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", PNAS 88:8972-8976.	
BI	Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497.	
BJ	Lakso et al, 1992, "Targeted oncogene activation by site-specific recombination in transgenic mice", Proc. Natl. Acad. Sci. USA 89:6232-6236.	
ВК	Lavitrano et al, 1989, "Sperm Cells ad Vectors for Introducing Froeign DNA into Eggs: Genetic Transformation of Mice", Cell 57:717-723.	
BL	Lo, 1983, "Transformation by lontophoretic Microinjection of DNA: Multiple Integrations without Tandem Insertions", Mol. Cell. Biology 3(10):1803-1814.	8
 ВМ	Logan et al, 1984, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659.	
 BN	Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster aprt Gene", Cell 22:817-823.	
во	Morrison et al, 1984, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855.	
ВР	Mulligan & Berg, 1981, "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076.	
 BQ	Neuberger et al, 1984, "Recombinant antibodies possessing novel effector functions", Nature 312:604-608.	
 BR	Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438.	
	O'Hare et al, 1981, "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531.	
	Santerre et al, 1984, "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156.	
	Sarin et al, 1988, "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451.	

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Subs	stitute for form 1449B/PT	0 .		Complete if Known			
ÎNE	ORMATION	DISC	CLOSURE	Application Number	09/841,683		
				Filing Date	April 24, 2001		
51 <i>F</i>	ATEMENT E) T Ar	PLICANT	First Named Inventor	Hu, Yi		
				Group Art Unit	1645		
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Sheet	3	of	3	Attorney Docket Number	LEX-0167-USA		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	۲2
	BV	Smith et al, 1983, "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593.	
	BW	Smithies, 1985, "Insertion of DNA sequences into the human chromosomal β-globin locus by homologous recombination Nature 317:230-234.	
	вх	Songyang et al, 1993, "SH2 Domains Recognize Specific Phosphopeptide Sequences", Cell 72:767-778.	
	BY	Stein et al, 1988, "Physiochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221.	
	BZ	Szybalska & Szybalski, 1962, "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034.	
	CA	Takeda et al, 1985, "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454.	
	СВ	Thompson et al, 1989, "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targetin Embryonic Stem Cells", Cell 56:313-321.	g
	СС	Van Der Putten et al, 1985, "Efficient insertion of genes into the mouse germ line via retroviral vectors", Proc. Natl. Acad. Sci. USA 82:6148-6152.	
	CD	Van Heeke et al, 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509.	
	CE	Ward et al, 1989, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546.	
·	CF	Wigler et al, 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232	
	CG	Wigler et al, 1980, "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570.	

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Sheet	1 .	of	2	Attorney Docket Number	LEX-0167-USA		

	U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No.¹	U.S. Patent Number	Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
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	CI	wo	01/53455	A2	Hyseq, Inc.	07/26/01		
	ಬ	wo	00/08151	A1	Universiteit Leiden	02/17/00		
	СК	wo	01/54733	A1	Human Genome Sciences	08/02/01		

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i	SUPPLEM	⁄I⊏NI.	ΤΛΙ	Application Number	09/841,683		
				Filing Date	04/24/01		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inv nt r	Hu		
			PLICANT	Group Art Unit	1645		
				Examiner Name	To be assigned		
Sheet	2	of	2	Attorney Docket Number	LEX-0167-USA		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.¹	7.							
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	СМ	Database EM_EST 'Online' EMBL; Accession No. AW341417, 02/01/00, NCI-CGAP: XP002193080, abstract.							
	CN	Database EM_HUM 'Online' EMBL; Accession No. AJ303380, 02/12/01, MUJICA A.O, et al, "Homo sapiens mRNA for serine/threonine kinase 33 (STK33 gene);, XP002192355, abstract.							
	MUJICA, A.O. et al., "A novel serine/threonine kinase gene, STK33, on human chromosome 11p15.3," Gene: An Internaitonal Journal on Genes and Gnomes, Elsevier Science Publishers, Barking, GB, Vol. 280, No. 1-2, 12/12/01, 175-181, XP004313178.								
	CP	NAIRN, A.C., et al., "Calcium/calmodulin dependent protein kinases," Seminars in Cancer Biology, Saunders Scientific Publications, Philadelphia, PA, Vol. 5, 1994, pg. 295-303, XP002097695							
	CQ	International Search Report, International Application No. PCT/US01/13149, 04/24/01 (Attorney Docket No. LEX-0167-PCT)							
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